

What is claimed is:

1. A self-recovering current-limiting device with liquid metal, containing, per pole, a first and a second electrode (11; 12) made of solid metal for the connection to an electric circuit to be protected, and containing a plurality of compression spaces (3) which are partially filled with liquid metal (8) and arranged one behind the other between the electrodes (11; 12) and which are formed by pressure-resistant insulating bodies (4; 5) and insulating intermediate walls (6) which are supported by the insulating bodies and which feature connecting channels (9), wherein a first connecting conductor (21) connected to the first electrode (11) runs beneath the compression spaces (3) with an inverse current direction; and a ferromagnetic body (10) is arranged above the compression spaces (3).
2. The current-limiting device as recited in Claim 1, wherein the ferromagnetic body (10) is composed of a material having an initial permeability greater than 500.
3. The current-limiting device as recited in Claim 1 or 2, wherein the ferromagnetic body (10) extends essentially over the total length of all compression spaces (3).
4. The current-limiting device as recited in one of the preceding Claims, wherein the first connecting conductor (21) runs inside the insulating body (5).
5. The current-limiting device as recited in one of the preceding Claims, wherein the ferromagnetic body (10) is secured by the insulating body (5).
6. The current-limiting device as recited in one of the preceding Claims, wherein the connecting channels (9) of adjacent intermediate walls (6) are arranged in a staggered manner.

7. The current-limiting device as recited in one of the preceding Claims,  
wherein the liquid metal (8) is a GaInSn alloy.